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the transcriptional control of said promoter; and wherein the polypeptide is obtained from Lactococcus; and operably linked to a restriction site.

- e) at least one restriction site allowing the insertion of a nucleotide sequence of interest under the transcriptional control of said promoter, and wherein the expression cassette does not comprise any part of the sequence encoding the L. lactis ZitS protein.
- 13. (Currently Amended) The expression cassette of claim 12, wherein the p<sub>Zn</sub> <u>ZitR binding</u> <u>site</u> comprises the following sequence:

AAAAATAANGTNNNNNNTTGACATTATTTTNNNNNNNNNTATAT (SEQ ID NO: 2)

14. (Currently Amended) The expression cassette of claim 13, wherein the p<sub>Zn</sub> promoter <u>ZitR</u> binding site comprises a sequence selected from the group consisting of:

(SEQ ID NO: 5).

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15. (Cancelled)

16. (Previously Presented) The expression cassette of claim 12, further comprising a

nucleotide sequence encoding an extracellular targeting peptide, operably linked to at least one

restriction site for cloning of a nucleotide sequence as a translational fusion with said targeting

peptide, wherein the targeting peptide and the at least one restriction site are under the

transcriptional control of the p<sub>Zn</sub> promoter-

17. (Currently amended) The expression cassette of claim 16, wherein said extracellular

targeting peptide is a signal peptide of sequence comprises the sequence of:

MKKINLALLTLATLMGVSSTVVFA (SEQ ID NO: 6).

18. (Currently amended) The expression cassette of claim 12 further comprising a nucleotide

sequence under the transcriptional control of the  $p_{Zn}$  promoter <u>fused to a reporter gene</u>, wherein

the expression cassette does not comprise any part of the sequence encoding the L. lactis ZitS

protein, fused to a reporter gene.

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- 19. (Previously presented) A recombinant vector comprising the expression cassette as claimed in Claim12 of Claim 12.
- 20. (Previously presented) A gram-positive bacterium transformed with the expression cassette as claimed in Claim 12 of Claim 12.
- 21. (Previously Presented) The bacterium of Claim 20, which is a lactic acid bacterium.
- 22. (Withdrawn) A method of producing a protein in a gram-positive bacterium, which comprises culturing a gram-positive bacterium transformed with at least one expression cassette of Claim 12.
- 23. (Withdrawn) The method of Claim 22, wherein the grampositive bacterium is a lactic acid bacteria.
- 24. (Withdrawn) The method of Claim 22, wherein the lactic acid bacteria is selected from the group consisting of lactococci, lactobacilli and streptococci.

- 25. (Withdrawn) A method of producing a protein in a gram-positive bacterium, which comprises the steps of:
- a) introducing in said bacterium at least one expression cassette of Claim 12, comprising a sequence encoding said protein;
- b) culturing said bacterium in a medium comprising an amount of Zn<sup>+2</sup> that is sufficient to repress the expression of the protein:
  - c) inducing the production of said protein by Zn<sup>+2</sup> depletion of said medium; and
  - d) recovering the protein produced.
- 26. (Withdrawn) The method of Claim 25, wherein the Zn<sup>+2</sup> depletion of the medium is effected by adding a divalent cation-chelating compound to the medium.
- 27. (Withdrawn) The method of Claim 25, wherein the Zn<sup>+2</sup> depletion of the medium is effected by culturing the bacterium until depletion of the Zn<sup>+2</sup> occurs in the medium.
- 28. (Withdrawn) A method of controlling expression of a promoter of the ZitRSQP operon in a bacterium, which comprises varying concentration of Zn<sup>+2</sup> in a medium containg the bacterium.

- 29. (Withdrawn) The method of Claim 28, wherein the increasing the Zn<sup>+2</sup> concentration represses expression of the promoter.
- 30. (Withdrawn) The method of Claim 28, wherein decreasing the Zn<sup>+2</sup> concentration promotes expression of the promoter.
- 31. (Cancelled)
- 32. (Previously presented) The expression cassette of claim 31, wherein the sequence encoding the polypeptide has at least 95% identity with the *Lactococcus lactis* ZitR protein.
- 33. (Cancelled).
- 34. (Cancelled)
- 35. (Previously presented) The expression cassette of claim 12, wherein the sequence encoding the polypeptide of b) has at least 85% identity with GenBank AAK06214 the sequence deposited under accession number AAK06214.
- 36. (Previously presented) An expression cassette, comprising:

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a bacterial promoter p<sub>zn</sub> comprising a binding site for the Lactococcus lactis, ZitR protein,

which site comprises the following sequence:

AAAAATAANGTNNNNNNNTTGACATTATTTTT

(SEQ ID NO.: 1)

in which TTGACA is the -35 box of said promoter, and N represents A, C, G or T; and

b) at least one restriction site allowing the insertion of a nucleotide sequence under the

transcriptional control of said promoter, and wherein the expression cassette does not comprise

any part of the sequence encoding the L. lactis ZitS protein.

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